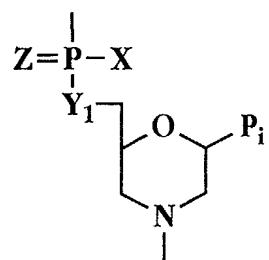
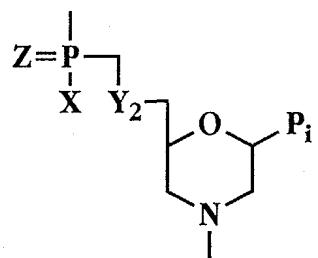


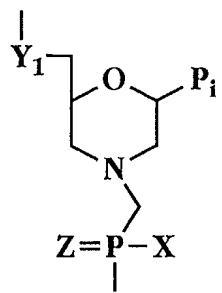
**Fig. 1A**



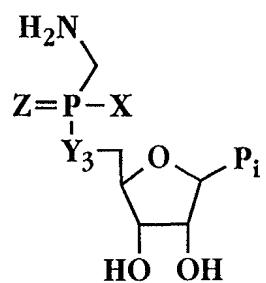
**Fig. 1B**



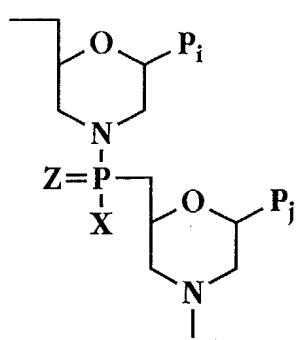
**Fig. 1C**



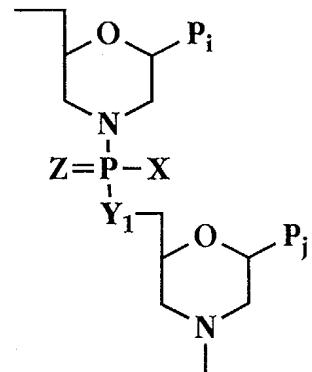
**Fig. 1D**



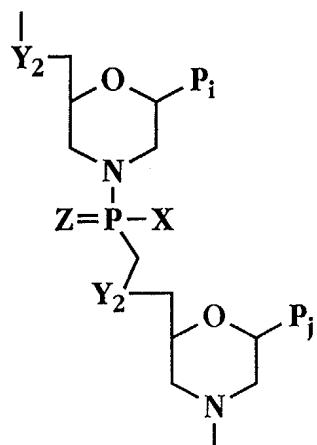
**Fig. 1E**



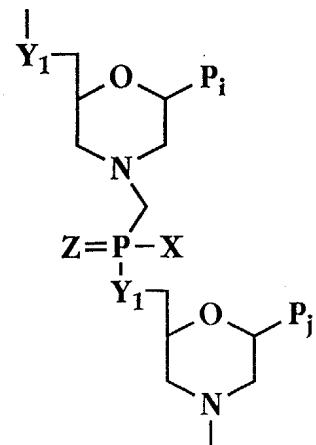
**Fig. 2A-A**



**Fig. 2B-B**



**Fig. 2C-C**



**Fig. 2D-D/E-E**

TGCAACTCCCCCGTAGCAGCG	charged
ACGTTGAGGGCATTCTCGCG	uncharged
TGCAACTCCCCCGTAGCAGCG	charged
ACGTTGAGGGCATTCTCGTC	uncharged
TGACAACCTCCCCCGTAGCAGCG	charged
ACGTTGAGGGCATTCTCG	uncharged
TGCAACTCCCCCGTAGCAGCG	charged
ACGTTGAGGGCATT	uncharged
TGCAACTCCCCCGTAGCAGCG	charged
GTTGAGGGCATT	uncharged
TGCAACTCCCCCGTAGCAGCG	charged
TGAGGGGCATTCTCGTC	uncharged

Fig. 3

CCCGTAGCAGCGNNN charged  
ACGTTGAGGGCATCGTC uncharged

CCCGTAGCAGCGNNN charged  
ACGTTGAGGGCATCGTC uncharged

CCCGTAGCAGCGNNN charged  
ACGTTGAGGGCATCGC uncharged

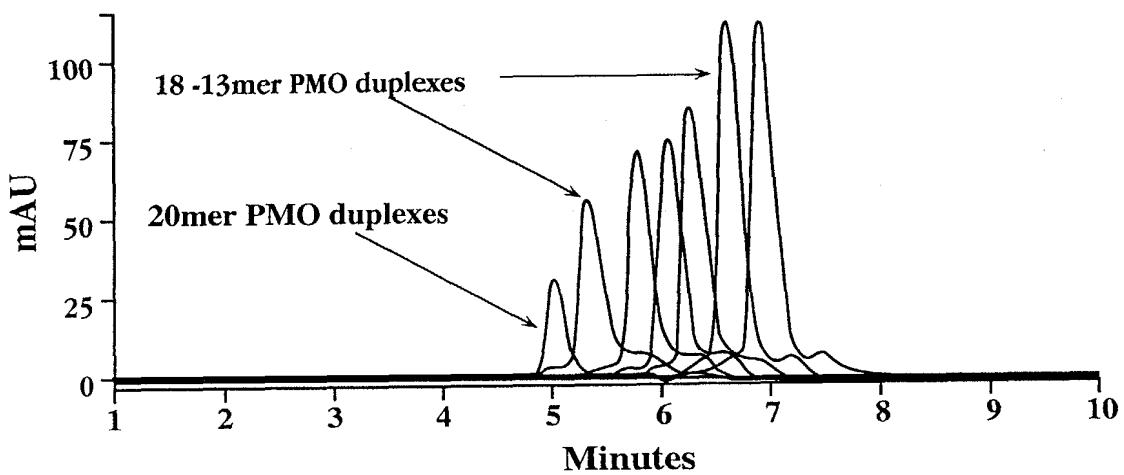
[NNNN is optional]

**Fig. 4A**

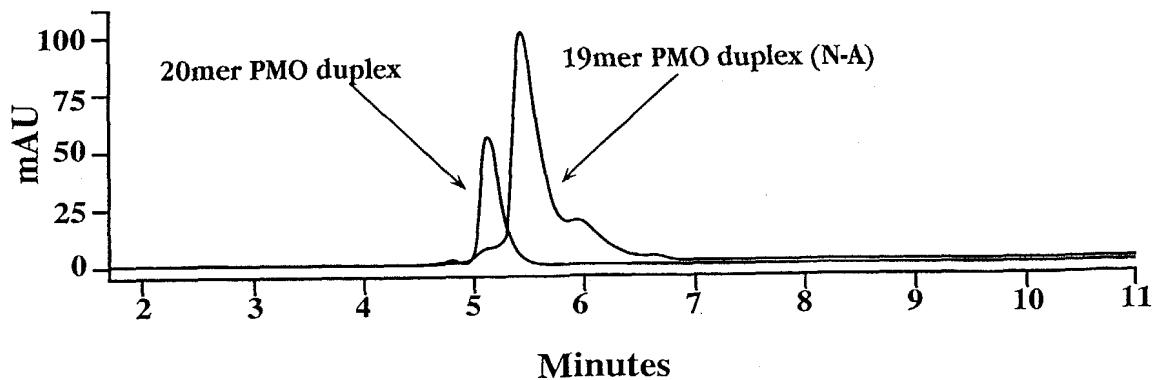
CCCGTAGCAGC charged  
ACGTTGAGGGCATCGC uncharged

C-  
/ \  
CCGTAGAGC charged  
ACGTTGAGGGCATCGC uncharged

**Fig. 4B**



**Fig. 5A**



**Fig. 5B**

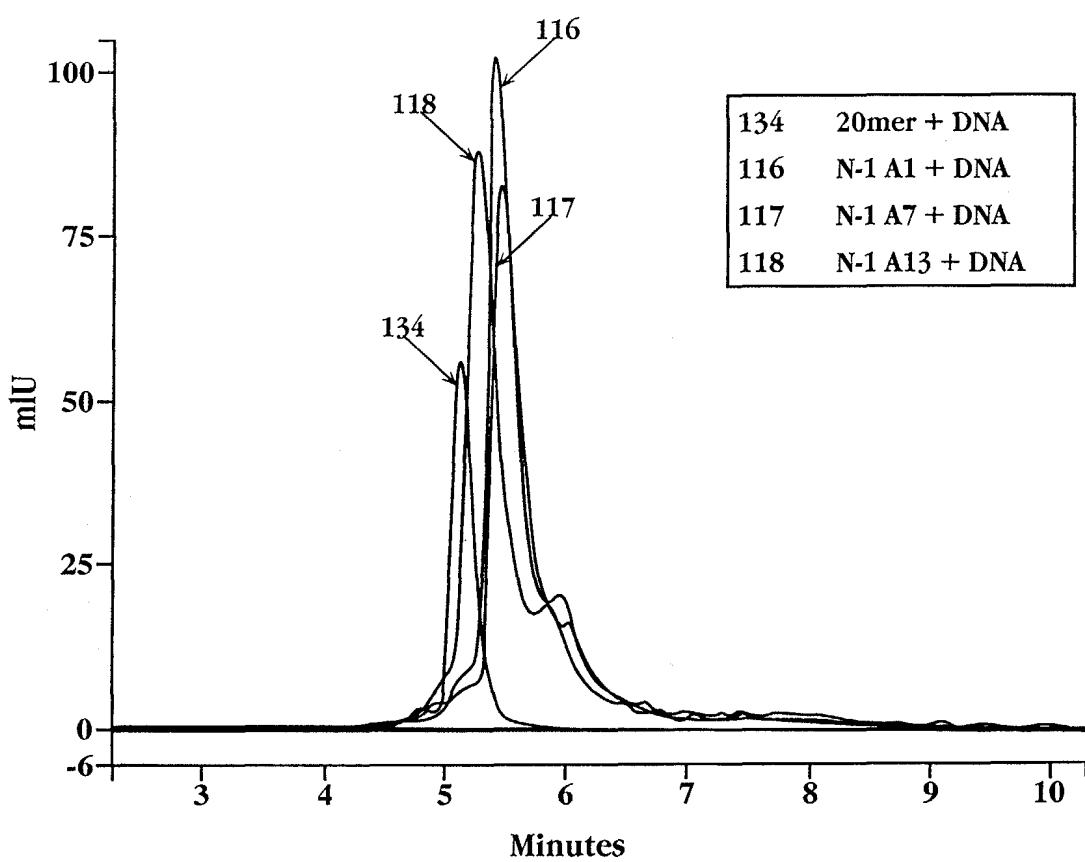
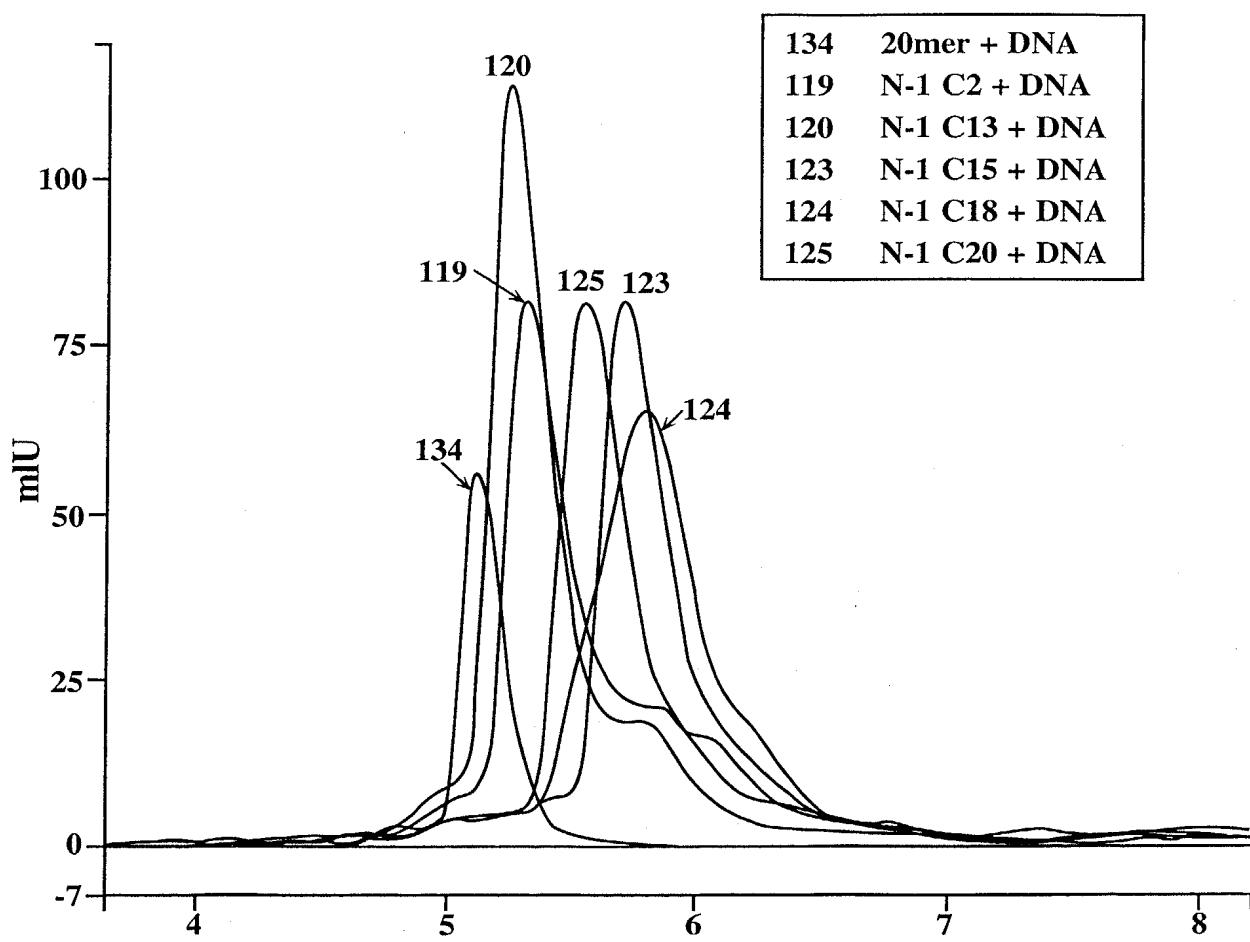


Fig. 6



**Fig. 7**

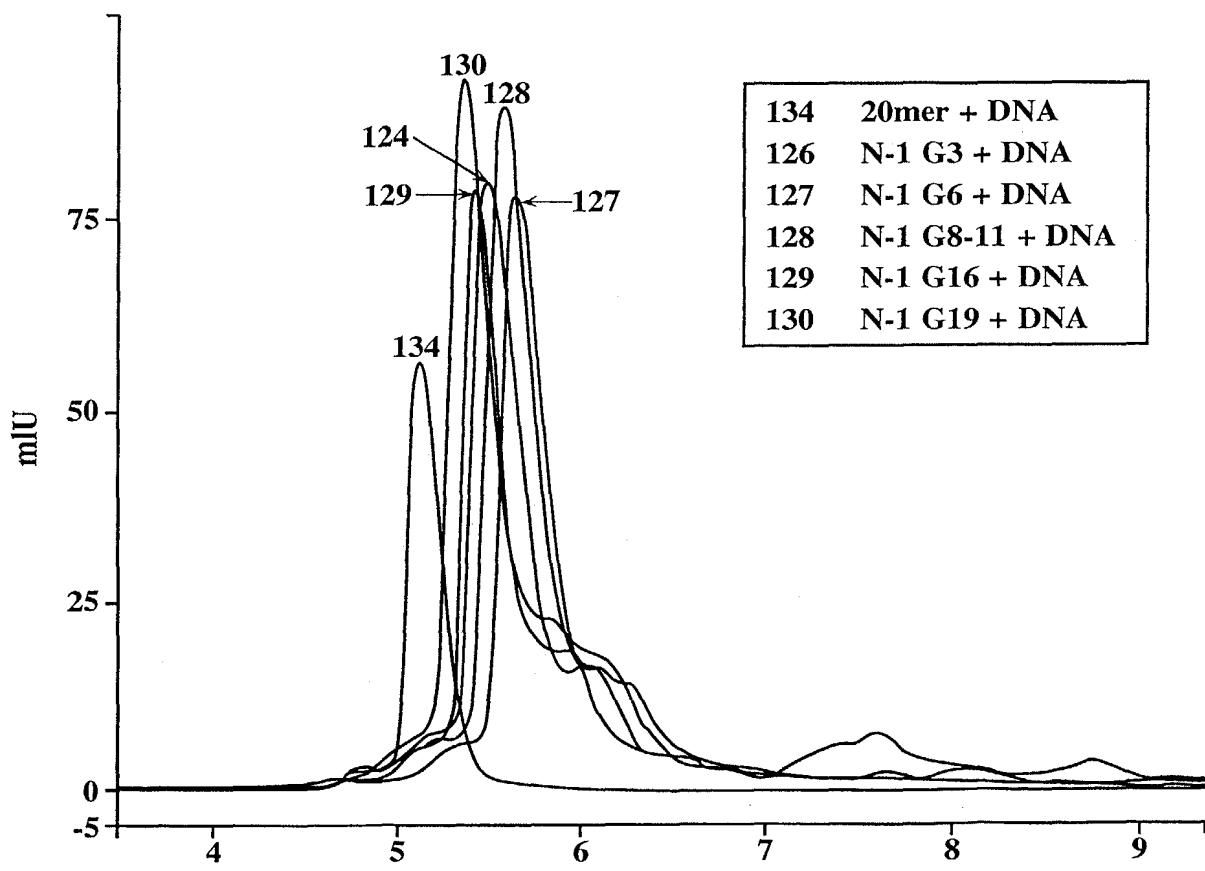
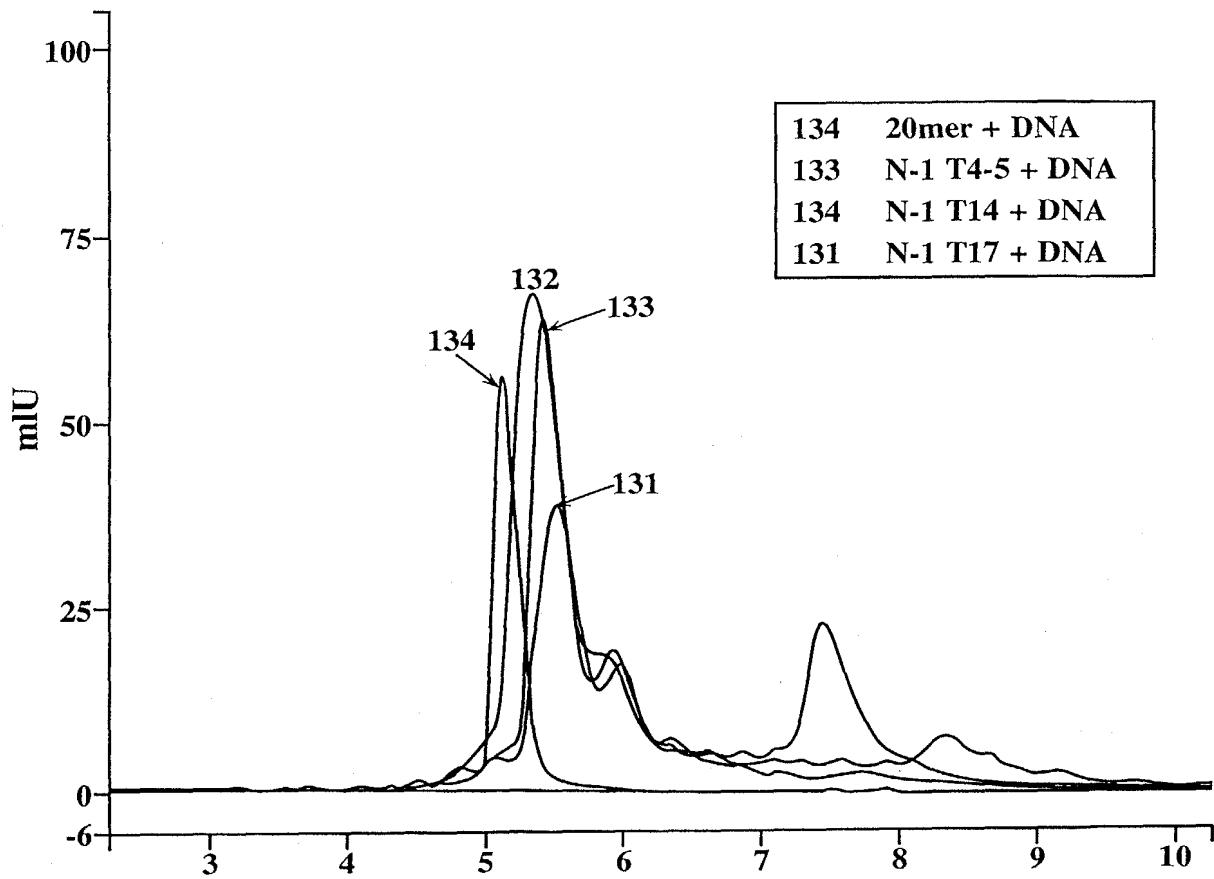
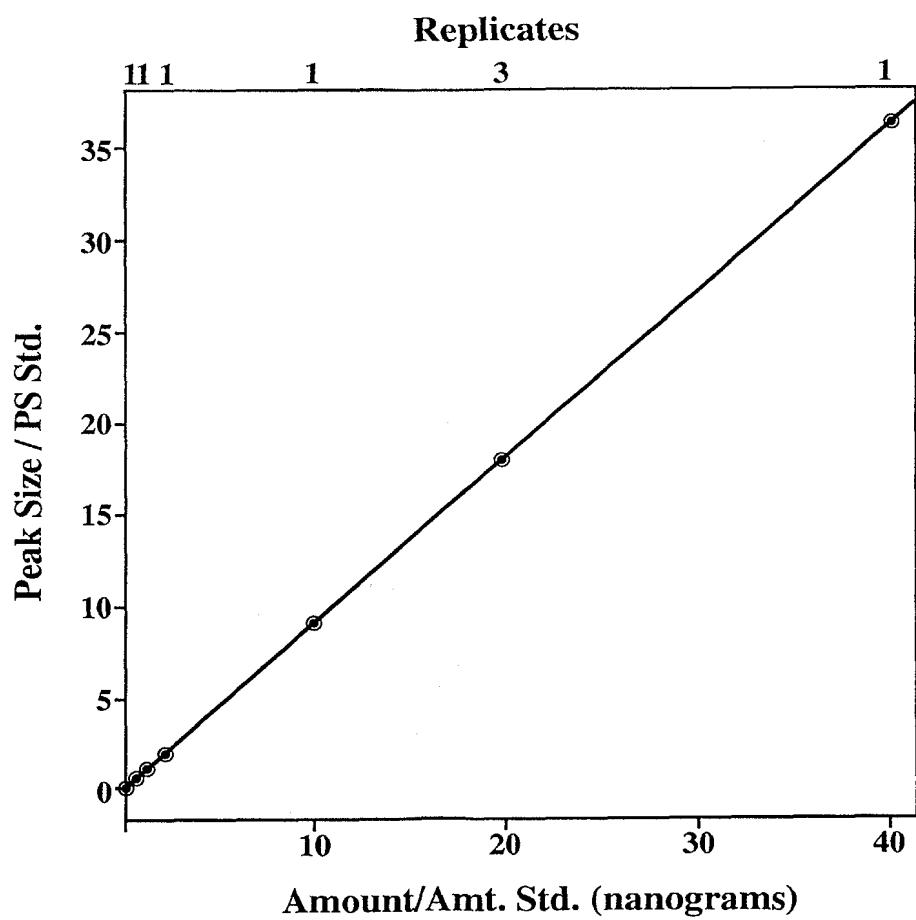


Fig. 8

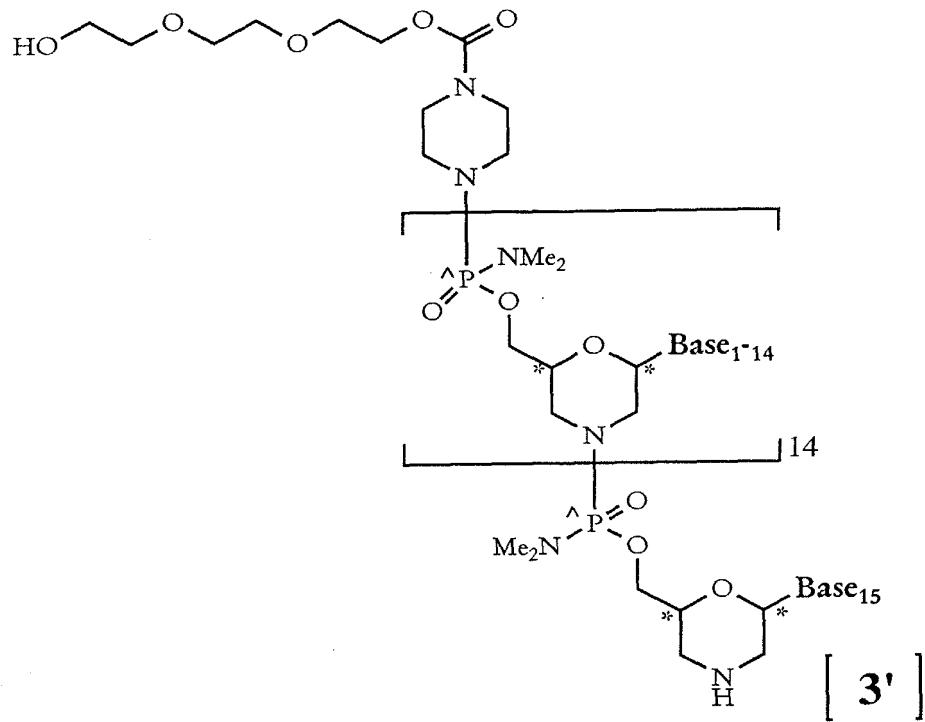


**Fig. 9**



**Fig. 10**

[ 5' ]



Base<sub>1-15</sub> = GAGGGGCATCGTCGC (5' → 3')

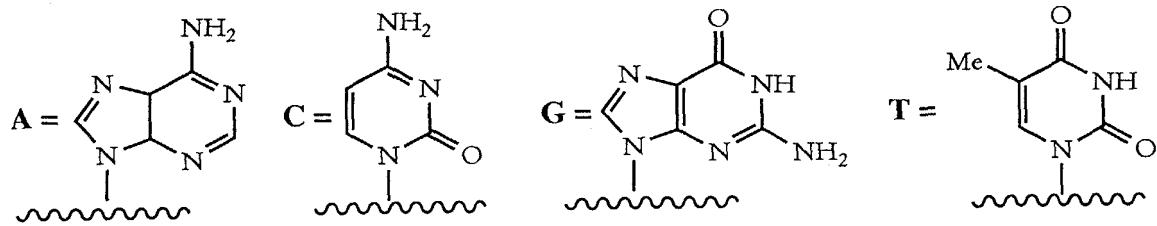


Fig. 11

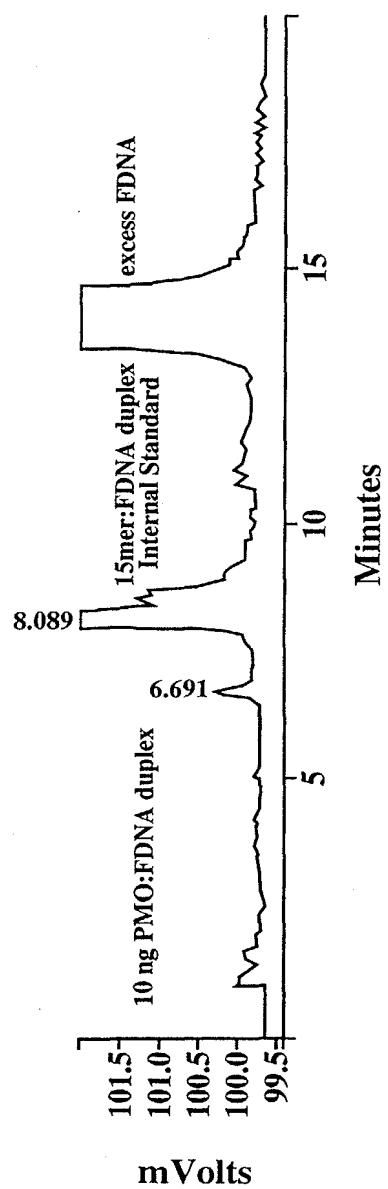


Fig. 12